

CHAITANYA SHAH

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EDUCATION

SVKM's Dwarkadas J Sanghvi College of Engineering

Mumbai, India

B.Tech in Artificial Intelligence (AI) and Data Science | CGPA: 9.25/10.0

2023 – 2027

EXPERIENCE

GenAI Intern

July 2026 – Present

FatakPay

Mumbai, India

- Assisted in development and deployment of Face Match KYC microservice utilizing SCRFD, ArcFace ONNX models alongside a queuing architecture, **reducing inference latency by 88% (5s to ~600ms)** and sustaining a **P95 latency of ~600ms at 100 RPM**.
- Analysed the Face Match model achieving a **93.81% decision agreement rate** while **reducing False Rejection Rate (FRR) from 94% to 17%** and **False Acceptance Rate (FAR) from 44% to 19%**.
- Streamlined enterprise AI accessibility by integrating OAuth into a custom MCP server, **mitigating local setup overhead**, and collaborated with DevOps to incorporate the use of official GCloud MCPs enforcing **least-privilege access** for infrastructure monitoring.
- Deployed Cursor Cloud automation agents for including a PR security reviewer to **flag vulnerabilities** and a Git diff agent to **synchronize commit drifts** across Development, UAT, and Production environments.
- Optimized token consumption for Cursor Agent skills, applying best practices to **reduce the Security Agent's token usage by ~33%**, and implementing version control for shared IDE skills (RCA, Data Analysis, Security).
- Spearheaded the integration of open-source Open WebUI platform to roll-out AI and Agent Skills access for non-technical stakeholders, ensuring **enterprise compliance** through **centralized usage tracking** and **Role-Based Access Control (RBAC)**.
- Conceptualized a multi-agent AI Voice platform to automate hiring and training for high-turnover customer-facing roles (viz. Customer Support and Collection calling), outlining the architectural pipeline for voice agent, **post-call analytics**, and **automated candidate scoring**.

Team Leader

March 2022 – Feb 2025

Viral Fission

Mumbai, India

- Led a **60+ member team** in executing large-scale marketing campaigns, focusing on performance monitoring and achieving project-specific conversion targets.
- Leveraged performance analytics to exceed project goals for **Duolingo**, delivering a measurable increase in proficiency test sign-ups via coordinated outreach strategies.

PROJECTS

FinSight AI (Financial Document Intelligence) | Next.js, Pinecone, MongoDB, Tavily

finsight-ai.chaitanya.is-a.dev

- Developed a **Hybrid RAG pipeline** for automated financial statement analysis, combining semantic vector search with real-time market data retrieval for grounded decision-making.
- Ensured **Data Security & Compliance** by implementing namespace-partitioned indexes with JWT authentication, preventing data leakage across different financial user-repositories.

NexusSearch (Intelligence Synthesis Tool) | Next.js, Groq (Llama 3.3), Tavily AI

nexus-search.chaitanya.is-a.dev

- Architected a multi-step research platform that synthesizes high-volume web data into **verifiable business intelligence** reports using iterative reasoning loops.
- Enhanced report reliability by enforcing a mandatory citation framework, ensuring all synthesized insights are traceable to primary, live web sources.

LinkCut (URL Shortener) | Next.js, Tailwind CSS, Supabase

urls.chaitanya.is-a.dev

- Engineered the core URL shortening engine utilizing a **Random Generation with Collision Checking** algorithm to guarantee unique alias creation and handle concurrent database writes efficiently.
- Developed a secure management architecture featuring **Role-Based Access Control (RBAC)** across three user tiers (User, Admin, Super Admin) to strictly govern link accessibility.
- Implemented **real-time click tracking** via Supabase and an automated **data retention policy** restricting deletions based on 90-day inactivity rules to ensure audit integrity.

TECHNICAL SKILLS

Languages: Python, C, Java, HTML/CSS, JavaScript
Frameworks/Libraries: Next.js, FastAPI, React.js, Node.js, Tailwind CSS, Bootstrap, Supabase, Pinecone, MongoDB, NumPy, Pandas
Tools: Git, GitHub, Open WebUI, Groq LPU, Vercel, Render, Postman, Figma, Canva, PowerBI, Tableau, VS Code, Google Colab, Jupyter Notebook
AI: LLM, RAG, ReAct, Prompt Engineering, MCP, Agent Skills, Cursor

ADDITIONAL EXPERIENCE

Internship and Placement Coordinator DJSCE	Aug. 2025 – Present
Editorial Head DJS NSDC	Aug. 2025 – Aug. 2026
Secretary DJS NSDC	March 2026 – Aug. 2026